









HUMAN SULT1A1 GENE SEQUENCE

			1
- 1		regergoess degrateres errecrifice estacetges esprigeering pacagnatus agengance transfered consecuting expressed	ŧ
- 1		contract decadades comments and accepted and accepted cocceptance and acceptance and acceptance and acceptance and acceptance and acceptance and acceptance acceptance and acceptance acceptanc	į.
- 1	0.01		1
- 1	7.00		4
- 1			3
- 1			1
- 1	607	The property and over the state of the state	1
ł	707	andreserr -actrocied ditesaces ticiceless todestes saciasisq derivers, statuted appropria	ł
		TARREST OF THE PROPERTY OF THE	1
1			į
1	1 0 0 2	TOPOLOGICAL CONTRACTOR ACCORDING CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR PROCESSES CONTRACTOR PROCESSES CONTRACTOR CO	1
1	4444		l
Ī		-terrored entertance etadioseca cacadition calditacia atcacaciat degalocotag styleaditte calcianted dysystemy.	i
- {	1301	Establish todiografo cagetogic etcatoccae titicadoga citatigges strangegrat gasgetitit cagetilest cetectocce	
ı	1401	andidadent forfactible reference cacificate excretates atcodecate escacetar procedures coordiging decoderage	•
i	1501	supergraduct producting anomatorical transferance eccetages indecessed rangesting principles cannot be anomatorical distribution of the contraction of the contractio	4
- 1	1601	destructed albeignates anothered completes december readous relatives controlled translate percented attendence	1
1	1701	paracered decaderic creament edecerte paracter falacters defaults; described definition successes depretates advantages and paracters are paracters and paracters and paracters and paracters and paracters and paracters are paracters and paracters and paracters and paracters and paracters are paracters and paracters are paracters and paracters are para	1
- 1	1301	cffdccfdfd dedectocit topbocodod deparament esocidicae addiffddt potroffdy patrofft williand addippopul	į
- 1	2001	and and the defendance accommand contracted accommended to the contraction of the contrac	į
- 1		- character caracters formantes contacted associated acceptances concentrate contagnation and payment	1
			i
	~~~	Annual desertant implanted accomplant attended addicaddad cocaledada geological	1
- 1	2402	THE PRINCIPAL SPORTNOSSA SACRARCOCK CONTROLOGO ESCOCOCCE CALECTERES CONCOCCOCCE GARAGES AND	1
	2000	AAAAAAAAA FARAAAAAAA AAAAAAAA AAAAAAAAAA	EXON IB
ļ	0000	ALANCET DECOTORS CAREGRACE AGGARACCE CALCULA MALANCETS CALCULA DECOTOR DECOTORS	
		TAXABANA ACCOMPANY COLINGROUN CARAGAS ACACASTOS ACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1
سسرو	2801	testing gaggaggeen quickingth temperage eggaptein igggardein geetgoorg aprocede contentit techtique bettenden gaggaggeen quickingt temperage eggapteer testing contentit temperage eggapteer testing contentit temperage gaggardein testing contentit temperage gaggardein testing contentit testing contentit temperage gaggardein testing contentit testing cont	
1222		The state of the s	
	3001	. bankadian bancenatat connectat acceptance certagants cadantes escapable	
			PROPER
	3201 3301		EXON IA
141			
	3601	improduce the second appropriate proposition for appendict accordage vigorous to a second sec	
	3701		EXON II
i, T	3801	The same and supplied the same and supplied the same and	
	[	TOCAGAGETT CEAGGETCEGE CETTATRACE TECTATRACE CACCTACCEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGE TOCAGAGETCE CACCTACCEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGETCE CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGETCE CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGAGETCE CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGAGETCE CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGAG CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE EGGRAGAGAG CACCTACTEC CACCTACTEC AAGTECCES AGEGRAGAGAG GEORGECACE CERECEAGE CACCTACTEC CACCTACTACTEC CACCTACTEC CACCTACTEC CACCTACTEC CACCTACTACTEC CACCTACTACTACTACTACTACTACTACTACTACTACTAC	
P gran	3901		
		THE PROPERTY AND ADDRESS OF THE PROPERTY PROPERTY ADDRESS ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	EXON III
34 €	4001		
8)	4101	ACCONTOCATES CETTGEAGAAG TOTCACCOAG CTCCCATCTT CATGCGGGTG CCCTTCCTTG AGTTCAAAGC CCCAGGGATT CCCTCAGGTG Egigagigig	
	••••		EXON IV
4	4201	controdered andergrange gangeagees goderopged theagereae dagacettee tigaceaet sented GARACTETS ANABACACAC	DAU.T.
1 45 m 62 m	-	The state of the s	
******	4301	CSGCCCCACG ACTCCTGAAG ACACACCTGC CCCTGGCTCT GCTCCCCCAC ACTCTGTTGG ATCAGAAGGT CAAGPEGBGG GAGGGCACGG EGCCCGACGC	
1	}	A P R L L K T H L P L A L L P O T L L D O X V K	
	4401	A 2 X X X X X X X X X X X X X X X X X X	
-	4501	Asstacases temperagge geographer description temperature company of the temperature ascandate	
	4601		
		ggtgagcag agatecades acticatice agreegages acaagages astronceds activates traggacità cagaccages opposances	
Į.i.	4701	sgradered agreeches actoration agreemant encapared entended controlle tradegrate captures confinence organization	
	4601	dddarcccc carciccara wasqalaraa acarcadcad dheathaidh cardadcad carcathaga coaddarta cabacadca chdharacac caddarcat carcathaga scarcadca dheathaga scarcadca caddarcat carcathaga carcathag	
-	4801 4901	tuagecciqu aqqietaaqqi taeaqiqaat coageetti quaqqqiaa ataaqqia qaqiiqaaqa taaqqiaaqa taqqieta taqqietti tittiti tugqacciq qqqqiqactae toottaata coageetti qqaqqqiaq coaqqiqqiq tagtifaqq taqqiaqaq taqqqietti qaqqaaqac qqqaacciq qqqqaaqat taqaatiqaa ataicaqqa qydatqqqq coaqqiqqiq caqtibaqq taqqqaaqa taqqictit tittiti qqqaacciq aqqietaaqqi taqaatiqa taatitiat qqaqqiaqa coaqqiqaa coaqataa adaqoaqaa taqqictit tittiti	
-	4801 4901 5001	pagattytot castaasta acastysat cattatest eggggges acastyte according deproces the control captacest countries of the cast according agreement acastytes castestas acastytes castestas acastytes castestas acastytes acastytes castestas acastytes acastytes castestas acastytes acastytes acattytes castestas acastytes acattytes castestas acattytes acat	
-	4601 4901 5001 5101	egigances aggionggag eccigates gecagett greetyte tengggas grangers eccepted daggaget categaget capacage ecceptic greetyte tengggas grangers contented gagances gagances acadette greetyte santanate cancatted daganasa tangerage congrated capacages gagances cancatted aganasas canguette gagances gagances gagances gagances acadette treetytet canadactes congrated capacages canadactes contented gaganasas canadactes gaganasas and gaganasas canadactes contented gaganasas canadactes contented gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes canadactes gaganasas canadactes canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes canadactes gaganasas canadactes canadactes gaganasas gaganasas gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas gaganasas canadactes gaganasas canadactes gaganasas canadactes gaganasas gaganasas canadactes gaganasas gagan	
-	4801 4901 5001	ggggaccag agaccocca actocatica agentagica acastgate of actocate attactive accounts adapticas concerned actocate actocate aggractic agentages concerned actocate accompanies acastgate concerned aggractic concerned acastgate concerned actocate acastgate according aggractic concerned acastgate acastgate according aggractic concerned acastgate according accor	
-	4801 4901 5001 5101 5201	Adidacida darracia flatdates seatactra adecidate casactas arraciate assessed products casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate assessed arracial casacate adoctore casacate assessed arracial casacate adoctore casacate assessed arracial casacate arracial casacate assessed arracial casacate adoctore casacate assessed arracial casacate adoctore casacate adoctore casacate assessed arracial casacate adoctore casacate casacate adoctore casacate assessed arracial casacate adoctore casacate casacate assessed arracial casacate adoctore casacate adoctore casacate adoctore casacate casacate casacate adoctore casacate casacate casacate adoctore casacate casacate casacate casacate adoctore casacate casacate adoctore casacate casacate casacate adoctore casacate adoctore casacate casacat	EXON V.
•	4801 4901 5001 5101 5201 5301	Adidacida darracia flatdates seatactra adecidate casactas arraciate assessed products casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate adoctore casacate assessed arracial casacate adoctore casacate assessed arracial casacate adoctore casacate assessed arracial casacate arracial casacate assessed arracial casacate adoctore casacate assessed arracial casacate adoctore casacate adoctore casacate assessed arracial casacate adoctore casacate casacate adoctore casacate assessed arracial casacate adoctore casacate casacate assessed arracial casacate adoctore casacate adoctore casacate adoctore casacate casacate casacate adoctore casacate casacate casacate adoctore casacate casacate casacate casacate adoctore casacate casacate adoctore casacate casacate casacate adoctore casacate adoctore casacate casacat	exon y.
•	4801 4901 5001 5101 5201 5101 5401 5501	CCCCTTTAGG SACCASAND SCAACTAGG ctggggag statacoars schotcas dataget testacear adatage adatages cacasant assaurant assaurant assaurant saccasand statacasa st	EXON Y
-	4801 4901 5001 5101 5201 5301 5401	CAACGCAAAG GATOTGCCAC TITCTACTA CAATTGCCA AGGTGCACC TGACCAGG ACCTGCGCA ACCTGCCACA CAACGCAAAG GATOTGCCAC TITCTACCA CAATTGCCA AGGTGCACA AGGTGCACC TGACCAGG ACCTGCACA AGGTGCACCA AGGTGCACCA AGGTGCACCA AGGTGCACCA CAACGCAAAG GATOTGCCAC TTCACCAAAG GATOTGCCAC TGACCAAACA AGGTGCACCA AGGTGCACCA CAACGAAACA AGGTGCACCA TTCACCAAACAA AGGTGCACCACAACAA AGGTGCACCACAACAAACAA AGGTGCACCACAACAACAA AGGTCCACCAACAACAA AGGTCCACCAACAACAACAACAACAACAACAACAACAACAACA	EXON Y.
	4801 4901 5001 5101 5201 5301 5401 5501	CAACGCAAAG GATOTGCCAC TITCTACTA CAATTGCCA AGGTGCACC TGACCAGG ACCTGCGCA ACCTGCCACA CAACGCAAAG GATOTGCCAC TITCTACCA CAATTGCCA AGGTGCACA AGGTGCACC TGACCAGG ACCTGCACA AGGTGCACCA AGGTGCACCA AGGTGCACCA AGGTGCACCA CAACGCAAAG GATOTGCCAC TTCACCAAAG GATOTGCCAC TGACCAAACA AGGTGCACCA AGGTGCACCA CAACGAAACA AGGTGCACCA TTCACCAAACAA AGGTGCACCACAACAA AGGTGCACCACAACAAACAA AGGTGCACCACAACAACAA AGGTCCACCAACAACAA AGGTCCACCAACAACAACAACAACAACAACAACAACAACAACA	ΕΧΟΝ Υ
-	4801 4901 5001 5101 5201 5301 5401 5501 5701	ENGERYANG GATGAGGG STEAGAGTGG CONTROLLS CACALGAGG STANDAGG SAGGGGGG SAGGGGGGG CONTROLLS CACALGAGG SAGGGGGGGG SAGGGGGGG SAGGGGGGGGGG	
-	4801 4901 5001 5101 5201 5301 5401 5501 5701	A Y N D A Y N D A Y R A A A A A A A A A A A A A A A A A	EXON Y.
	4801 4901 5001 5101 5201 5301 5401 5501 5601 5701 5801	CONCORDING STRIPPORT COLORIGIES COLORIGOS COLORIGOS STRIPPORT CONCORDS	
	4861 4901 5001 5101 5201 5401 5501 5501 5701 5801	ggggaccag agaccacae actocated agaccae actocated agaccae agaccae agaccae actocated agaccae actocated agaccae cogganacae actocated ggggaccae toctocata assatycas acaccae gggacae consecuted agaccae actocated actocated actocated actocated actocated actocated gggacae consecuted agaccae cancers assatycae actocated agaccated actocated agaccated agaccat	
	4801 4901 5001 5101 5201 5401 5501 5601 5701 5801 5901	gggaaccag agascaceae atdeastee agascatts agasgagets accepting tagetcoae tagaagets tagaagets tagaaccac agasaacca agasgagets caaccagga gaspaged tagaaccac tagaagagets accepting tagaagaget tagaagagagagagagagagagagagagagagagagag	
	4861 4901 5001 5101 5201 5301 5501 5601 5701 5801 5901 6001	S S S N A N N D N N D S N N D S N N D S N N D S N N D S N N D N N D S N N D N N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D N N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S N D S	
	4861 4901 5001 5101 5101 5101 5501 5501 5501 5	ggggaccag agaccacac actosates agaccacca actosates agaccate agaccacac agacacacac agacacacac agacacacac	
	4861 4961 5001 5101 5201 5301 5501 5501 5701 5801 5901 6001 6101 6101 6301 6301	gggaaccag ggtggccac caccataga abatgasa acatcagag ggaagggga caccataga bagaagcas acatagagag taccataga ggaaggaag caccataga ggaaggaag caccataga ggaaggaag caccataga ggaaggaag caccataga ggaaggaag caccataga ggaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaaga caccataga ggaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag caccataga ggaaggaag gaaggaag gaaggaaga gaaggaagaa	
	4861 4901 5001 5101 5101 5101 5501 5501 5501 5	ggggaccag agaccacae actocated actocated agaccated agaccated agaccated actocated agaccated ggggaccae coccated agaccated coagcate actocated actocated actocated actocated actocated ggggaccae coccated actocated actocated actocated gggaccae coagcated actocated actocated gggaccae coagcated actocated actocated actocated gggaccae coagcated actocated actocated gggaccae actocated actocated actocated gggaccae actocated actocated gggaccae actocated gggaccae actocated gggaccae actocated actocated actocated actocated actocated actocated gggaccae actocated gggaccae actocated actocated actocated actocated actocated actocated actocated gggaccae actocated	EXON VI
	4861 4961 5001 5101 5201 5301 5501 5501 5701 5801 5901 6001 6101 6201 5311 6401	gggagecag agacecage acceptants coagecatt gggaggag caccactagg tactgacage tactgagag caccactagg gaccagagacag agacagagacag accacagagagacagagacagagacagagacagagacagagacagagacagagacagagacagagacagagagacagagacagagagagagagagagagagagagagagagagagagagag	EXON VI
	4861 4961 5001 5101 5201 5301 5501 5501 5701 5801 5901 6001 6101 6101 6301 6301	gggaaccag ggtggccac cyctytaaty caaccagcag gycatgaga ccaccaggaga ccaccaggagaa abaccagca caccaggagacagacagagagacagagagacagagagacagagagagagagagagagagagagagagagagagagagag	EXON VI
	4861 4901 5001 5101 5201 5101 5501 5601 5701 5801 5901 6101 6101 6101 6201 5301	gggaaccag ggtggccac cyctytaaty caaccagcag gycatgaga ccaccaggaga ccaccaggagaa abaccagca caccaggagacagacagagagacagagagacagagagacagagagagagagagagagagagagagagagagagagagag	EXON VI
	4861 4961 5001 5101 5201 5301 5501 5501 5701 5801 5901 6001 6101 6201 5311 6401	gggaaccad agaccaded actocated actacacted agactates coagcates caaccated agactacac coctocates actacacted actacacted coagcates caaccated agactacac cactocates actacacted ggaactacac ggaactacac ggaactacac ggaactacac ggaactacac actacacted ggaactacac cactocates actacacted ggaactacac actacacted ggaactacac actacacted ggaactacac cactocates cactocated actacacted ggaactacac cactocates actacacted ggaactacacted gaactacacted	EXON VI
	4861 4901 5001 5101 5201 5101 5501 5601 5701 5801 5901 6101 6101 6101 6201 5301	Segundation described settlesses accepted disabled settlesses consisted assesses the consisted disabled described de	exon vi
	4801 4901 5001 5101 5201 5101 5401 5501 5701 5801 5901 6001 6101 6201 6401	gggagecga agasecocc acceptant casgotte qqqqqqqq ggcaqqqq cacettagga cacettagga tagasaaq tagaqqqq qqqqqqqqqq qqqqqqqqqqqqqqqq	exon vi
	4801 4901 5001 5101 5201 5101 5401 5501 5701 5801 5901 6001 6101 6201 6401	HANGOCAGG CTGCAGGCTC ACCTTCCCC CANAGGGA CTGCGGGGC CTGCGGGGA CTGTGGGGGA CTGCGGGGA CTGCGGGA CTGCGGA CTGCGGGA CTGCGGA CTGCGGA CTGCGGGA CTGCGGA CTGCGGA CTGCGGA CTGCGGA CTGCGGA CTGCGGA CTGCGGA CTGCGGA CTGG	exon vi
	4801 4901 5001 5101 5201 5301 5501 5501 5701 5801 5901 6001 6101 6201 6101 6401 6501 6501	Sandander december actioners actioners agreenable actioners and the sandander actioners and the sandanders actioners actioners and the sandanders actioners actioners and the sandanders actioners actione	exon vi
	4801 4901 5001 5101 5201 5101 5501 5701 5801 5901 6001 6101 6201 6501 6701 6601 6701	SATESTAND STREET	exon vi
	4801 4901 5001 5101 5201 5101 5401 5501 5701 5801 5901 6001 6101 6101 6401 6701 6801 6901 6701	gggaaccc caccoccc acceptants analysas casquette granges caccoccc caccoccc taccoccc caccoccc caccoccc caccoccc caccoccc caccocca caccoccc caccoccc caccocccc caccoccccc caccoccccc caccoccccc caccoccccc caccoccccc caccocccc caccoccccc caccocccccccc	exon vi
	4801 4901 5001 5101 5201 5101 5401 5501 5701 5801 5901 6001 6101 6101 6401 6701 6801 6901 6701	SATESTAND STREET	exon vi

Figure 1. SOLVIAI gene sequence. Exon sequence is shown in uppercise, while intron. 5'-flanking region and 3'-flanking region sequence is in lowercase. The 'ATC' cranslation initiation coden and the "TGA" translation termination coden are underlined. Amino acid sequence encoded by the gene is listed in single-letter code beneath the nucleocide sequence.

## **HUMAN SULT1A2 GENE SEQUENCE**

```
conteceted tigistetina ecigootgot geologgael IGhidalpot gageoditat gitadddda Cocipgetat igaelhigae eedaegagal
                                                                  destroyer, edgryrings shreathair distortions conscious describes describe describes described described the conscious described and conscious described described and conscious described and conscious described and conscious described described and conscious described and conscious described and conscious described and conscious described descri
    -3429
-3129
-3229
-3129
                                                             despanded Consected Sections Sentings Consected Consected Sections despands Consected Sections Sentings Controlled Consected Sentings Sent
    -3029
  -2929
-2829
  -3729
-2629
-2529
-2429
-2329
-2129
                                                                  severanded astabases and account describes assaulter profess astactors assaults astactors the profess astactors assaults astactors astactors assaults astactors a
  -2029
-1929
-1829
                                                                  tydanagada agedectged dogggytgto getettetad ghecticial ogatytetet tonggycocod agggagesh gangryppo ctygotocod
gygenatogg actycagege cettytictt cottygttet alguntecht getetgetet heddetgood ottoactet occadaogda teactocaga
-1729
-1629
-1529
                                                                  readbiding dirambapae cyclogacad passyssa yaqqccyssa segassed gcqqciddac capitatic froypeire florpfeire cadhardin deprecas decreas decripicat acacadact consecut conformatic cyclobat cadharding deprecas decreas decreas decreas decreas decreas conformatic cyclobata cadharding deprecas decreas cadharding deprecas decreas cadharding deprecas decreas cadharding deprecas decreas decreas cadharding deprecas decreas de
-1429
-1529
                                                                Systems of the control of the contro
                                                                      acadeaaaco esgregipad Ciigosgaic settiasgai igicicoago igigaseasa aggaggaisa hagasgaici diccolococ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EXON IB
-1220
-1123
-1029
        -929
                                                                    etgggetein gegathetes tgeeteagta getaggaeta engaedeed gesbesåed tggatagret tassaastat tettinannga ttettäjaga
Igådgleted maatgetget ongalleggto essaastes ggeetenged Gesstagget elgggaetan apgagagae Clictermete ammakessae
                                                                      ectigating testescale etigatesit estatesing gateonicas constacen accedenses configurate Tilanatias Ancendara
        -629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EXON IA
                                                             -579
        -429
      -329
-229
      -129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EXON II
                  -29
                                                             TOCHOMOGECO TOCHOMOCTE COMOCTEDS CETTATENCE TOCTOMOCC ANOTHERS OF OFFICE OF TOCHOMOCTES
                      73
                                                                                                                                                             E 0 7 %
                                                                                                                                                                                                                                                                  Q 3 P
                                                                                                                                                                                                                                                                                                                                                         0 4 8 8 0 0 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           eresected chacabsec evectaded sambabaser sacroscer sametaces describes escribes describes developer
              172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EXON III
                                                                GENGATICES GACATGATET ACCAGGGGG TEACCTGEAN ANGTGTCACC GAGGTCCCAT CITCATGCGG GTGCCCTTCC TTGACTTCAN AGTGCCAGGG
              272
                                                                  O I L D H I Y O D D Y P X P Y R A P I P H R V P P L B P X Y P G ATTOCCTCAG glagopatet canadicate equations of the control of t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EXON IV
              372
                                                                  GAGACTICTIGA MAMOROACO ASCICIORGIA CTICOTGAAGA CACAGGTOGG COTOCOCTOTO CTICOCOCAGA CTICTOTTIGGA TOAGAAGGTO AACHTIGGAGAG
              472
                                                                    E T C K N T P A P R L L K T N L Y L A L L F Q T L L D O X V K

Egggcacegt dgticacacc cycaatetea gtactings appetpaggt gggatgated ottgaageta gaagtteeg ataagtteet toctaaaaaa
              572
                                                                  saacttaget digiclagig tetaggetog gigacayaga aacaetgic caaaaaasga igaalayaaa dagigitteta feagigego ggctibosec
                                                             deadceadec deadecepe escebases estesiade presidedes essecutine cessesses pedagogas passesiat desdicides
estechnyny anchabata sestanida estesiat processes estisbaso ecasgeada abesestes appacedes eachabat
finaterem denetiant statutus saletanide saletanies estisbasos sestanias desdecide ecasepida senerales appacedes eccinitios
              872
                                                                canderbare ordanadden iphigriden egateshara racaaaast abecanaed dracecade ethaladad gardanaa egateshara edatecades
adaderbar gedanadden erestaeth egatagade agrepadab brobalda besatare canderaca dabahara egateshara edatecades
      1172
    1372
                                                                sydactodad deredectês secidaded preventide secidadecra coposeces didescrees secidadery collegies coseseces coseseces dedecrate secidades considers coseseces coseseces dedecrate secidades secidades considers coseseces descrete establicate decrete establicate coseseces descrete establicate decrete establicate decrete establicates coseseces descrete establicates decrete establicates destablicates decrete establicates decrete establicates decrete est
                                                                coggiggges tetragests regresses seesamane acquiactes teragetada entragement and analysami discustada discustada coccacama desambania analysami stadionali gerestraca describeda entragement analysami entragement constructor contentada contentada entragement contentada entragem
      1772
  1972
                                                                ectoccosts securedos adabashada eddoccodada cabhashath dadasodas asabasha accreated estatadas destratas estatadas caddascad destatadas destatadas destatadas acceptadas eddoccodas destatadas destatad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EXON V
                                                                            TIGHANCIC ALADGATOTO GESCTITICET ACTACCACTT CTACCACATO GECANAGIGI ACCITENCE TOGANICITES TOGANALOTI
R N 1 R D V A V S Y Y Y F Y R N A R V Y P R F G 2 W E S 7 % E R 2
ANGICTOCA GAAGEEGGG EZGETOTOTO GENEGRADOT GEOGRAFICA GE
    2472
                                                                  TARGET ATTENTION OF THE PROPERTY AND THE PROPERTY AND THE PROPERTY OF THE PROP
    2572
                                                                SYQ THY THY Q BWW TLCR THOUSE SAMESTERS ACCORDED COLLEGES OF BURNESSES ACCORDED COLLEGES OF B
```

Figure 2 SWEFILT Sens sequence, Exon sequence is shown in uppercase, while intron, 5--Elanking region and 1--Elanking region sequence is in lowercase. Maino acid sequence encoded by the denc is listed in single-lessor code penesth the nucleotide sequence.

```
1 acctetgeet cetggtteea ageaateete etteeteace eteeagagta getgggatta
  61 cacgcgcctg ccaccgcgcc tggcctaatt tttgtatttt tagtagagat gggggtttcc
 121 aaccatgttg gccaggctgg tctccaaact cctgacctca ggtgatcctg cccacctaag
 181 cctcccaaaa tgctggtatt acaggcatga gccaccgtgc ccggcctaaa taattaataa
 241 aataatggac gatgggtgcc ttctactgag ctcccggtaa ttgtgagtga gtagaggact
 301 tgccctgggg acattcagtg acctgctggg tgttgctgag ctgtgaggaa gttcaggtct
 361 ggctgcagtg gtgaggctgt gactcaatca atcactgctg atgctcccag gacctgcacc
 421 agettagtee taggggcaag gattttaact gtecacetca gtttetteat ttgtaagatq
 481 caaataacag tcacccctgc ctcatgggat ggagctgtgt aatgcccgca acagtgcctg
 541 ctgcatagag gggttgctgc cagctgcctc tccctccttg tctcttacct gcctgctgcc
 601 tqqqtcaqqa tqaaqaqqq ccdttgtgtt gccccaccc tggctgcctg ctaagggccc
 661 atgtgatctg cetggeagag gagtttette aggaagaace agggeagett etgeceetag
 721 agggccaatg cccttggtga gtgcagtccc ctggccccag cctggtccac ctctgggaag
 781 agggtgccca gttgtgcaat ccaggcccag gcagctgagc cctcatctca gcatgcaggg
 841 cggatactgg agggggcttg tggcatctga ctctgtatct cctacctgcc cctctccttg
 901 gtagctgtga gaagtcactg ctttggggag acctgatctg gctgtgccag atggacactg
 961-agaaagaagt agaagactca gaattagaag aggtgagtgg getttggtgg egggeteeet
1021 accecactee etgecetggg etgeetgtga ecacactget tgeetetgea ggeacactgg
1081 acagacctgc tggagacctg atcctcagtg tccttacccc ctcctacctc ttttctgtgc
1141 cacctgctgt gggtccagca ggtttttact tgagtacaat aaaaagtctg agtcaagggt
1201 gccttatggt ggatgctgag gggaggggcg gagctagtag cccaaggfcc tgccagtcac
1261 ggggcttcct caggggcaca gaggaggcag gaggggcccc tggccctagc acgtgaacag
1321 cttctactct gcctggaaac cccatgcctc agctttcccc tacttgcctc tgagctcatg
1381 caattottgg aagootggga gaottacott gaaattgaat goaaatagga caaagaccaa
1441 ggaggatggg gggatgccct ccttccacgg ggccctgtgg cttccaagtc ttaatctcct
1501 ctagtctctt gtctacggag cctccttcaa acccagggaa agaaaagcac ctgccagggt
1561 tgtttttctt ctaggatctt ctattgatgc tctgtgaggt cccccaggag ccatgaagct
1621 agggctggct cctagggcaa tgggactaca gtgtccttgt cctttcttat tctttctgtt
1681 ctttctttct ttctttttt ttttttttt tttttttgag acagagtctc actctgttgc
1741 ccaggotgga gtgcagtggt gtgatottgg ctcactgaaa cctccgcctc ctgggttcaa
1801 gtgattctct tgcctcagcc tcctgagtag ctaggattac aggtgcccgc catcatgccc
1861 agctaatttt tgtattttta gtagagacag ggtttcacca tgttggccag cttggtctcg
1921 aactootgac otcaggtgat cotgotgoat ogacotocca aagtactggg attacaggog
1981 tgagccacca cgctcagcct ctttcttgtt ctatatgtcc atgctctgct ccacttctgc
2041 cccttcactc tgccccacac atcactccag actggccttg tggtcagagc ctggaatgcc
2101 tgggctgctg ggggcctgtg gactgcactg ggccagaacc cctgccgcct tcaagactgg
2161 cctgtagcca gcaggtaggt gacttttccc aggccggcct atcccacctt tcccctccac
2221 tcactcacct cccttgcctg ggtcaattag agaaagcttg tcggccaggc atggtggctc
2281 atgectgtaa teteageaet ttgggaggee gaggegggeg gateatetga geteaggagt
2341 ttgagaccag cctggccaac atggcaaaac cccgtctcta ctaaaaatac aaaaattaac
2401 cggatgtggt ggtgtgcacc tgtaatccca gctactcggg aggctgaggc agaagaatcg
2461 cttgaaccca ggagggggag gttacagtga gcggagatcg tgctactgca ttgcagcctg
2521 ggcgagagag cgagtctcca tctcacataa aaaaaagaaa aagaaagaaa gcaagcttgt
2581 ctgttggcct gccctgcagg gtggagttca gagggaaggt caggagccta gtgacagctc
2641 aaaaaaaaa aaacccaaat accaatgttg gccccttttg cctttcattc atgtgttttc
2701 tatacactaa actcacatat tgggtttgca gatcactcca agcttggctg gagctgtggt
2761 ggtaaggagg gtaatagaga agcttcccca ccctcaaccc caccccttcc ttcctggagt
2821 teccageet gaetttagat eetteegaea etggaeette aaaaceetea gggeagagag
2881 cagecetaca etecetacae cacacecata eteageceet geaggeaagg agagaacagg
2941 traggttece gagagetrag gtgagtgaca egttggaatg geceagggea cettracect
3001 geteagettg tggetecaac attetagaag eegaggeete tgeeateeet geeettteee
3061 atggatatte cattteaatt agacaaceca geetggeegg aateceeetg egtteettet
3121 tttcctttgt gtatttttga gacagggtgt tgctccgtca cccaggctgg agtgtagtgg
3181 gatectggcc cactgcagcc tcaaattcct aggctgaggc aatcctgccg cctcagcctc
```

```
3241 ctgagtagct ggggttacaa gagcaagcca ccacacccag ctaattttga aaaatatttt
3301 ttgtagagga gaggtettge tttgttgtee aggttggtet caaacteeag ggeteaaggg
3361 atcetttece gttggcetee caaggetetg ggattacagg egggagteae eetgeetggg
3421 coccecttt tgatgagtca tcagttttca ttcccgcacg aggetctage ccctggtacc
3481 agethagttg etcaatggge tgtgtttgtt etggageeca gatggaetgt ggeeaggeaa
3541 gtggatcaca gacctggccg gcctgggagg tttccacatg tgaggggcat gagggggct
3601 caaggagggg agcatcgggg agaggagcgc actgggtgga ggctgggggt cccagcagga
3661 aatggtgaga caaagggcgc tggctggcag ggagacagca caggcaggcc ctagagcttc
3721 ctcagcacag ctggactctc ctggagacct tcacacaccc tgatatctgg gccccgcgct
3781 acgagggtgc tttcactggt ctgcactatg ccccaggccc tgggattttg aacagctctg
3841 caggtgactg aaaggtgcgg ccaggctggg gaacgacctg gtttcagccc cagccccgcc
3901 actgactgac tttgtgagtg cgggcaagtc actcagcctc cctaggcctc agtgacttcc
3961 ctgaaagcaa aaactctgca aaggggcagc tgggtgctgg ctcacacctg taatcccagc
4021 actttgggag gctgaggtag acaaatcact tgaggccagg agttctagac cagcctggcc
4141 atgcttgtaa tcccagctac ttgggatgcc gaggcgggag gattgcttga acccaagagg
4201 tggagtttgc agtgagctga gattgtgcca cactgcactc cagcttgggt gagagtgaga
4261 ctccatctca aaaaaaaaa aaaaaagaga gaatcccact ttcttgctgt tgtgatggtg
4321 gtaagggaac gggcctggct ctggcccctg atgcaggaac atggagctga tccaggacac
4381 ctcccgcccg ccactggagt acgtgaaggg ggtcccgctc atcaagtact ttgcagaggc
4441 actggggccc ctgcagagct tccaagcccg acctgatgac ctgctcatca acacctaccc
4501 caagtctggt aagtgaggag ggccacccac cctctcccag gcggcagtcc ccaccttggt
4561 cagcaaggtc gtgccctcag cctgctcacc tcctatctcc ctccctctcc aggcaccacc
4621 tgggtgagcc agatactgga catgatctac cagggcggcg acctagagaa gtgtaaccgg
4681 gctcccatct acgtacgggt gcccttcctt gaggtcaatg atccagggga accctcaggt
4741 gcatggctgg gtcctggggg taagggaagt ggaggaagac agggctgggg cttcagctca
4801 ccagaccttc cctgacccac tactcaggc tggagactct gaaagacaca ccgccccac
4861 ggctcatcaa gtcacacctg cccctggctc tgctccctca gactctgttg gatcagaagg
4921 tcaaggtgag gccgggctca atggttcaca cctgtcatcc cagtttgaga ctgaggaggg
4981 aggatecett gaaggegaga gatggagaee ageetgggea acattgetgt agagatgaea
5041 teccatetet acaaaaataa aattaacaac etggtatggt ggeatagaet gtteecagtt
5101 acttaggagg ctcagcgggg aggactgttt atgcaaatag gaagctgcaa tgagccctga
5161 tgatcctgct gctgcactcc agcctgggca acacagcaaa accatctcta cgaaaaaaaa
5221 agttcccact gactggcaag gaaagccagg aaggggggct caggtgccct ctcagccatg
5281 tacctgttct tctggaaggg cctcctcgct tctgccaggc tcatcacatc tttttttt
5341 ttgagacaga gtcttgctct gtcaccctgg ctggagtgca gtggcatgat ctcagctcac
5401 tgcaacctcc gcctccccag ttcaagtgat tctcctgcct cagcctcctg agtagctggg
5461 attacaggog tgtgctacca caccoggota atttttgtat totttttagt agagacgggg
5521 tttcaccatg ttggtcaagt ggatctcaaa ctcttgacct tgtgatcctc ctgcctcgac
 5581 ctcacaaagt gctggaatta caggcgtgag ccaccgcgcc tggccctttt tttttttgag
 5641 acagtttcac tcttgttgcc gaggctagag cgcaatcgtg tgatctcggt tcactgcaac
 5701 caccgcctcc tgggttcaag caattctcct gcttcagcct cccaaggagc tgggattaca
 5761 ggtacctgcc accacgcccg gctaattttg tatttttagt agagatgggg tttcaccatg
 5821 ttggtcaggc tggtcttgaa ctcctgacct caggtgatct ggcaccttgg cctcccaaag
 5881 tgccgggatt agaggcatga gccaccacgc ccagcettca tcacatettg agagaggaca
 5941 ctgtctgcct cttgctctga tgagggtctg atgcaaagga tagtgagtct ctacagtgca
 6001 cacttaagaa aggcagcatg tgggtgctca caggtcaggc ggaggagggg gagctggtgg
 6061 ggaccaggca tgccttgctc cagatcagga tatgatggca ttggtgcaga ttatattagt
 6121 atagaatatg gtctcaggaa ccaggcagga ctttggcttc cgagcagggt tcagatccca
 6181 gcttggccct acctgtgcag tgagatctca agcaagtcag cctctaagcc tcaggttcct
 6241 cctttgccag ttcaacagat gagctggcct ggggtgggct gtgtggtgat ggtgctgggg
 6301 ctgggtcctc tgcccctgca ggtggtctat gttgcccgaa acccaaagga cgtggcggtc
 6361 tectactace atttecaceg tatggaaaag gegeaceetg ageetgggae etgggaeage
 6421 ttcctggaaa agttcatggc tggagaaggt gggcttgact ggaggaagga gggtgtgaag
 6481 ccgaggggtg gtggctataa cgtacagcaa ccctgtgtcg gtgccccctg cccgcttctc
 6541 tagtgtccta cgggtcctgg taccagcacg tgcaggagtg gtgggagctg agccgcaccc
 6601 accetettet ctacetette tatgaagafa tgaaggaggt gagacegaet gtgatgette
```

```
6661 cccccatgtg acacctgggg gcaggcacct cacagggacc caccaaggcc acccagccc
6721 gtccctgggc ggctcccaca gcaagcccgg attccccatc ctacctccct gqcccaqqcc
6781 cccccactgc agccccacct ggcagcaggc tcggcacagc tttcatcttc tgcacctgaq
6841 tcagctgcat gggtggccac ggatcagata cttagtccta ttgcttatcc tcaccaaaqq
6901 gtgtgccacc cagggccaca gtcatggaag aagaccatcc cggtcctcac ccataggcqc
6961 caagccctgt tcatgatggg atcacagggc agagatcaat tcattttact cca_agacta
7021 gggccccagg ggttgaggct ctttggggtt tctaggggaa gtggccaqat ccctctqaq
7081 gttagagagg gggaccegtt ttgttttgct ccactgagga gccctctqct qctcacaacc
7141 ccaaaaggga gattcaaaag atcctggagt ttgtggggcg ctccctqcca qaqqaqacca
7201 tggacttcat ggttcagcac acgtcgttca aggagatgaa gaagaaccct atgaccaact
7261 acaccaccgt cccccaggag ctcatggacc acagcatete cccettcatg aggaaaggtg
7321 ggtgctggcc agcacggggg tttggggggg gtgggagcag cagctgcagc ctccccatag
7381 gcacttgggg ceteceetgg gatgagacte cagetttget ecetgeette eteceecagg
7441 catggctggg gactggaaga ccaccttcac cgtggcgcag aatgagcgct tcgatgcgga
7501 ctatgeggag aagatggeag getgeageet eagetteege tetgagetgt gagaggget
7561 cetggagtea etgeagaggg agtgtgegaa tetaceetga ecaatggget caagaataaa
7621 gtatgatttt tgagtcaggc acagtggctc atgtctgcaa tcccagcgat ttgggaggtt
7681 gagetggtag gateacaata ggeeacgaat ttgagaceag cetggtaaaa tagtgagace
7741 tcatctctac aaagatgtaa aaaaattagc cacatgtgct ggcacttacc tgtagtccca
7801 qctacttggg aagcagaggc tggaggatca tttcagccca ggaggttgtg gatacagtga
7861 gttatgacat geceatteac tacageetgg atgacaagea agaceeteec tecaaagaaa
7921 ataaagetea attaaaataa aatatgattt gtgtteatgt agageetgta ttggaaagga
7981 agagaaactc tgagctgaaa gagtgaatgc ccggtggggc cacatatggt cacctctccc
8041 ccagcettea getececagg teaceatate tggggagggg agaagggétt ggagaagtaa
8101 aacccaggag atgtgtggag gggggatgtc tgtttaatcc cagcacatcc tctgctgtcc
8161 tgccccaaga tggtggagga cgtcgagtcc gccgggcagc gtcacttttt cttgggctcc
8221 ttagaagcta ccaggtacct ctgggccaca ctgagatgag gggagtagcc gcctgcatag
8281 gaggtgtctt caaacaggat agtatagtcc ctcctggggg ttgtgggggt aggtggccaa
8341 ggaagggtag aggagcaagc ccccggggct ggttgtcaac tcactttgtt ggctggaatt
8401 ggttgtaact tgaccacctc gggcaggatc ccactgctca tccccaa
```

//